

**RYZHKOV, O. A.; DAVLYATOV, Sh. D.; YEKSHIBAROV, S. V.; ZUYEV, Yu. N.**

**"Tectonic features of oil and gas territories in Uzbekistan."**

**report submitted for 22nd Sess, Intl Geological Cong, New Delhi, 14-22 Dec  
1964.**

DAVLYATOV, Sh.D.

Development of the tectonic structure of Mesozoic and Cenozoic  
sheets in western Uzbekistan. Nauch. trudy TashGU no.256 Geol.  
nauki no.22:16-18 '64 (MIRA 18:2)

DAVLYATOV, Ya.

Fractionation of venoms of some species of Central Asiatic serpents and the comparative study of the toxicity of individual fractions. Vop. biol. i kraev. med. no. 4:366-368  
'63. (MIRA 17:2)

DAVLYATOV, Ya.

Electrophoretic fractionation of snake venom on agar gel. Uzb.  
(MIRA 16:9)  
biol. zhur. 7 no.3:45-49 '63.

1. Institut krayevoy eksperimental'noy meditsiny AN UzSSR.

DAVLYATSHIN, Kh., inzh.

Use of cutter-loaders in room mining. Mast.ugl. 9 no.10:  
12 0'60. (MIRA 13:10)

(Maritime Territory--Coal mines and mining)  
(Coal mining machinery)

L 01084-67	EMT(m)/EMP(j)	LIP(o)	RM
ACC NR:	AP6026310	(A)	SOURCE CODE: UR/0113/66/000/005/0013/0015
35 32 B			
AUTHOR: Gel'fgat, D. B. (Candidate of technical sciences); Davlyudov, L. O.; Skvortsov, S. B. (Candidate of technical sciences)			
ORG: NAMI			
TITLE: A method for stand-testing automobile body vibrations 9M			
SOURCE: Avtomobil'naya promyshlennost', no. 5, 1966, 13-15			
TOPIC TAGS: highway vehicle data, flexural vibration, torsional vibration, vibration test, MOTOR VEHICLE			
ABSTRACT: The authors describe a method developed at NAMI for studying the natural frequencies of vibrations in a compact automobile body. The method was used for stand-testing the "Moskvich-407" automobile body. The tires were removed from the automobile to eliminate distortions in instrument readings due to resonance of components not supported by springs. The car was held 1.5 m above floor level. Epoxy glue was used for fastening the pickup holders to the support members of the frame and the body panels. The pickups were then threaded into these holders. The vibrator is made in two independent sections for generating directed forces. These sections are interconnected by a shaft and put into motion by a 2.3 kw DC electric motor through a flexible shaft. Motor speed is controllable from 0 to 5500 rpm by varying the supply voltage.			
UDC: 629.11.011.5:62-752.001.4			
Card 1/2			

L 01084-67

ACC NR: AP6026310

This corresponds to a frequency range of about 0-90 cps. The overall weight of the vibrator is about 35 kg. A connecting shaft and clutch may be used for connecting both sections of the vibrator in phase or antiphase. In the first case, flexural vibrations are generated and torsional vibrations result in the second case. An IV-1 vibration measuring instrument developed at NAMI was used for determining vibrational accelerations and displacements at various points on the automobile. An N-102 oscillograph was used for recording the readings. Barium titanate<sup>34</sup> WZU-3 piezoelectric transducers were used as the primary pickups. The "Moskvich-407" automobile was tested in two stages for body vibrations in the 7-35 and 35-90 cps ranges. The results show flexural vibrations of 26-27 cps and torsional vibrations of 20-22 cps. Curves are given showing the amplitude-frequency characteristics at low and high frequencies. A table is given showing the resonance frequencies of various parts of the body. A number of the basic body panels resonate on frequencies close to 80 cps which explains the reduction in the comfort index of the automobile when type R tires are used which have resonance frequencies close to this value. Orig. art. has: 4 figures, 2 tables.

SUB CODE: 13/ SUEN DATE: None/ ORIG REF: 001/ OTH REF: 002

Card 2/2 vlr

GRINBERG, Ye.I.; DAVNER, I.M.; RASHKOVSKIY, K.U.

Grouping of production and auxiliary shops in canning plants.  
Kons. i ov.prom. 18 no.3:12-14 Mr. '63. (MIRA 16:3)

1. Gosudarstvennyy institut proektirovaniya promyshlennosti, Odessa.  
(Industrial buildings--Design and construction)

DAVODIVICH, R.L.; SHLYGIN, A.I.

Potentials of powdered adsorbents. Soob. DVFAN SSSR no.18:23-26 '63.  
(MIRA 17:11)

1. Dal'nevostochnyy filial imeni V.L. Komarova Sibirsckogo otdeleniya  
AN SSSR, i Dal'nevostochnyy gosudarstvennyy universitet.

DAVOR, M.

The aspirations of Slovenian fisherman should not be advocated by distorted arguments. p. 424.  
(Gozdarski vestnik, Vol. 8, No. 12, Dec. 1956, Ljubljana, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No.8, Aug 1957, Uncl.

DAVOR, Milicic

Yugoslavia/Diseases of Plants. Diseases of Cultivated 0-2  
Plants

Abs Jour : Ref Zhur-Biol., No 2, 1958, 6498

Author : Milicic Davor

Inst : Not given

Title : Intracellular Symptoms of the Virus Infection of  
Plants, Cacti in Particular

Orig Pub : Glasnik biol. sek. Hrvatsko prirodosl. drustvo,  
1953, (1955), Ser. 2B, 7, 255-258

Abstract : No abstract

Card 1/1

DAVOYAN, M. O.

USSR/ Geology - Paleontology

Card 1/1 Pub. 86 - 35/39

Authors : Davoyan, M. O.

Title : Excavated elephant from Quaternary deposits

Periodical : Priroda 44/3, page 123, Mar 1955

Abstract : A description is given of the remains of an elephant from Quaternary deposits, excavated by an expeditionary group from the Leninakan State Pedagogical Institute, in the summer of 1953. The previous finding of the remains of other tropical animals in Soviet Armenia is mentioned, indicating that the climate of the region changed in geological times.

Institution : Leninakan M. Nalbandyan State Pedagogical Institute

Submitted : .....

DAVOYAN, M.O.

Traces of ancient valleys in the northwestern part of Armenia.  
Izv. AN Arm. SSR. Ser. geol. i geog. nauk 11 no.2:49-54 '58.  
(MIRA 11:9)

1. Leninakanskiy pedagogicheskiy institut im. M. Nalbandyana.  
(Armenia--Valleys)

RUKASOV, Yu., starshina 2 stat'i; TISHIN, N., starshiy serzhant; MARKOV,  
I., starshina sverkhstrochnoy sluzhby; KRYUCHENKO, V., Geroy  
Sovetskogo Soyuza, starshina sverkhstrochnoy sluzhby; MATYZLEVSKIY,  
S., mladshiy serzhant; DAVRANOV, R., komendor matros

On land and in outer space. Starsh.-serzh. no.9:2-3 S '62.  
(MIRA 15:11)  
(Astronautics)

DAVRANOV, T., delegat XIII s"yezda professional'nykh soyusov SSSR

At the frontier of heavy industry. Sov. profsoiuzy 19 no.20:7  
0 '63. (MIRA 16:11)

1. Starshiy apparatchik Chardzhouskogo superfostatnogo zavoda  
Turkmenskoy SSR.

DAVRISHEVA, T.A.

Gases in Sarmatian sediments of Kakhetiya. Trudy VNIGNI no.15:143-  
160 '59. (MIRA 14:6)  
(Kakhetiya—Gas, Natural—Analysis)

DAVRISHVIA, T.A.

Chromatographic separation of W and Mo over aluminum oxide in the  
form of sulfurous compounds. Soob. AN Gruz. SSR 19 no. 4:421-428  
0 '57. (MIRA 11:5)

1. Gruzinskaya kompleksnaya neftyanaya ekspeditsiya Vsesoyuznogo  
nauchno-issledovatel'skogo geologorazvedochnogo neftyanogo instituta.  
Predstavлено членом АН ГрузССР Г.В. Титишвили.  
(Chromatographic analysis) (Molybdenum sulfides)  
(Tungsten sulfides)

DAVRISHEVA, T. A. Cand Chem Sci -- "Chromatographic separation of tungsten and molybdenum on aluminum hydroxide." Tbilisi, 1961 (Mos State Univ im M. V. Lomonosov) Chem Faculty). (KL, 4-61, 187)

BARATOV, Pattakh; DAVRON, M., red.

[Science and religion about atmospheric precipitation]  
Atmosfera eginlari khakida fan va din. Tashkent, Uzbekiston  
KP Markazii Komitetining birlashgan nashrieti, 1964. 21 p.  
(Fan khakida sukhbatlar, no.43) [In Uzbek] (MIRA 18:3)

DAVRONOV, R.A.

Unbalanced conversion of low-voltage levels to frequency.  
Izv. AN Uz. SSR. Ser. tekhn. nauk 9 no. 6:5-7 '65  
(MIRA 19:1)

1. Tashkentskiy politekhnicheskiy institut. Submitted May 4,  
1965.

DAVROV, F.

26378 Shakhty sredi orlinykh gnezd. (Tkvarchel'skiy ugol'nyy basseyn.  
Ocherk). Vokrug sveta, 1949, No. 8, s. 8-12.

SO: LETOPIS' NO. 35, 1949

*DAVSHAN D.G.*

~~DAVSHAN, D.G.~~

Sixty tons of turkey meat. Zhivotnovodstvo 19 no.12:77-78 D '57.  
(MIRA 10:12)

1. Glavnyy zootehnik Kal'chikskoy mashinno-traktornoy stantsii  
Primorskogo rayona, Stalinskoy oblasti.  
(Turkeys)

ABRIKYAN, S.; DAVTYAN, A.

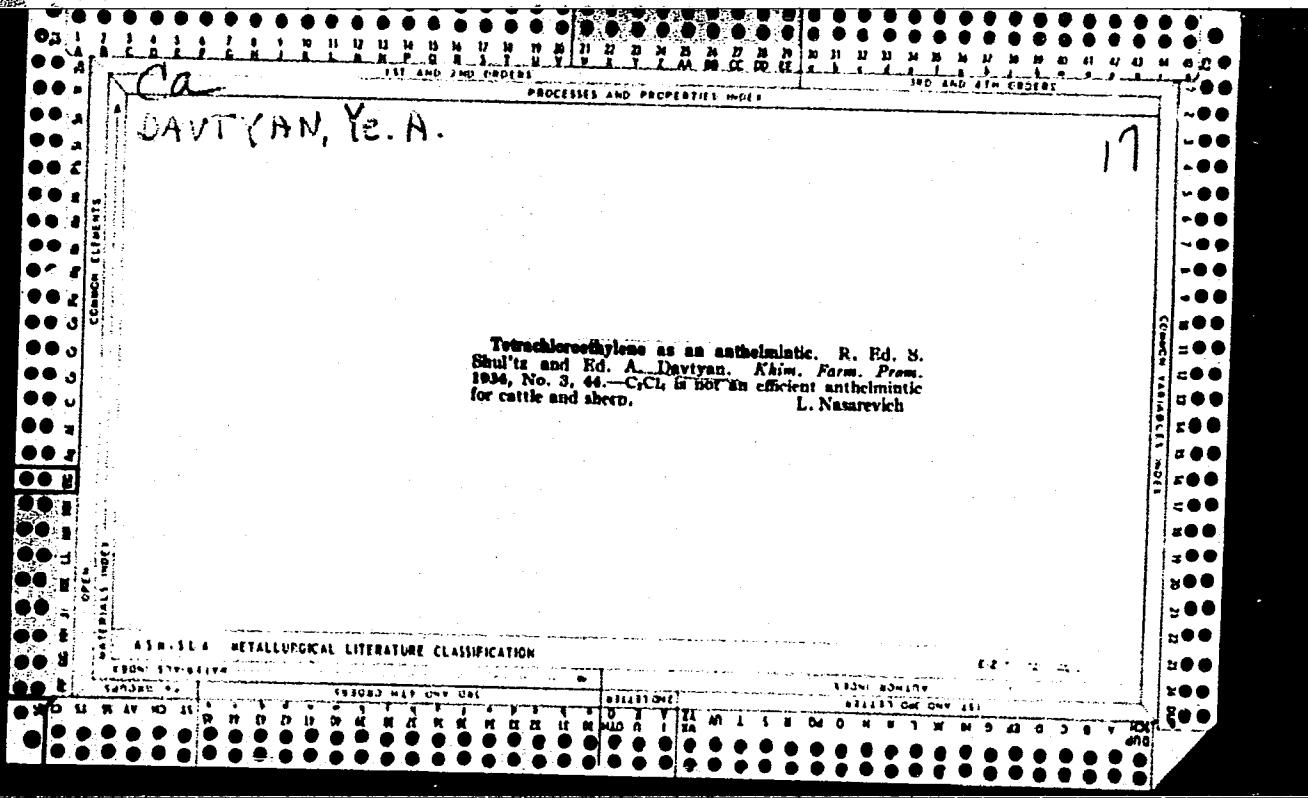
Automatic pressing line. Prom. Arm. 4 no. 7:27-29 J1 '61.  
(MIRA 14:7)

1. Yerevanskiy tabachno-fermentatsionnyy zavod.  
(Tobacco processing machinery)

GALACH'YAN, R.M.; BUDAGYAN, Ye.G.; DAVTYAN, A.R.

Nature of phytocides of tomato differing in their disease  
resistance. Vop.mikrobiol. no.1:3-19 '61.

(MIRA 17:10)



DAVTYAN, E. A.

"Comparative Susceptibility of Molluscs to Invasion by Larvae of Nematodes, Causative Agents of Pulmonary Helminthoses in Sheep and Goats"

Dok. AN, 46, No. 2, 1945

(Veterinary Science Research Institute, Yerevan, Armenia 1944)

DAVTYAN, Ye. A.

*Phytosp. 6.*

Davtyan, E. A. "The life cycles of nematodes of the light-weight sheep and goats of Armenia," Zool. sborbik (Akad. nauk Arm. SSR, Inst. fitopatologii i zoologii), Issue 6, 1948, p. 185-266, with 12 tables --Summary in Armenian -- Bibliog: p. 261-63

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

DAVTYAN, E. A.

42527. Puti razvitiya veterinarny gel'mintologii v armyanskoy SSR. Trudy yerevansk. Zoovet. In-Ta, vyp. 10, 1948, S. 24-32.

DAVTYAN, E. A.

42526. Vospriimchivost' mollyuskov K zazreniyu lichinkami nekotorykh legochnykh nematoz ovets i koz. Trudy yerevansk. Zoovet. In-Ta, Vyp. 10, 1948, S. 105-19.

DAVYAN, E. A.

1853. THERMAL DISSOLUTION OF SOLID FILMS. IV. ROLE OF CHEMICAL NATURE OF SOLVENTS. D'Yakova, N. K. and Davyan, E. A. (Zhurnal Prikladnoi Khimii (J. Appl. Chem.), Feb. 1948, vol. 21, 113-125).

The influence of the chemical nature of various types of solvents (amines, phenols, cyclic hydrocarbons, aliphatic hydrocarbons, etc.) on the solubility of "humus" and boghead coals was investigated. Results are tabulated.

immediate source clipping

DAVTYAN, E. A.

RA 03/47174

Medicine - Institute  
Medicine - Veterinary

Mar 49

"In the Armenian Scientific Research Veterinary  
Science Institute" 1 p

"Veterinariya" No 3

In last few years the larval form of *Fasciola gigantica* has caused the death of a great number of sheep in several rayons of the republic. Helminthol Dept. of the Institute, headed by Professor E. A. DAVTYAN, found that a form of mollusk acted as an intermediate host for *F. gigantica*. This discovery was considered in planning measures to eliminate

63/49794

USER/Medicine - Institute (Contd) Mar 49

the disease, and in 1948 it was eliminated in Zangi-basarkly Rayon. Two Candidates of Veterinary Sciences at the Institute have worked for 2 years in developing and testing preparations to be used against pasteurellosis in farm animals, and have found some that are highly effective.

63/49794

DAVTYAN, E.A.

Cycles of nematode development in lungs of sheep and goats in  
Armenia. Zool.sbor. no.6:185-278 '49. (MLRA 9:8)  
(Armenia--Nematoda) (Parasites--Sheep) (Parasites--Goats)

SHUL'TS, R.S.; DAVTYAN, E.A.

Helmintohantigens. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 4 no.6:  
533-542 '51. (MLRA 9:8)

1. Institut fitopatologii i zoologii Akademii nauk Armyanskoy SSR.  
(Worms, Intestinal and parasitic)  
(Antigens and antibodies)

DAVTYAN, E.A.; AKRAMOVSKIY, N.N.

Results of work in veterinary helminthology in Transcaucasia;  
materials of the conference of helminthologists of Transcaucasia  
and Daghestan working in the field of stockbreeding. Izv. AN Arm.  
SSR. Biol. i sel'khoz. nauki. 5 no.2:35-47 '52. (MLRA 9:8)

(TRANSCAUCAZIA--VETERINARY MEDICINE)  
(TRANSCAUCAZIA--HELMINTHOLOGY)

DAVTYAN, Yc. A.

The Most Important Helminths of Agricultural Animals and the Fight  
Against Them, Yerevan, Aipetrat, 1953, 84 Pages with illustration;  
price 1 ruble; 3,000 copies, In Armenian.

SO: Veterinariya; Vol. 31, No. 2, Feb 1954, uncl.  
TABCON

DAVTYAN, E. A.

Ostraya forma fastsioleza obets, "Works on Helminthology" on the 75th  
Birthday of K. I. Skryabin, Izdat, Akad. Nauk. SSSR, Moskva, 1953, page 205  
Armenian Sci. Res. Veterinary Inst.

SHUL'TS, R.S.; DAVTYAN, E.A.

Forms of host-parasite relations in helminthology. Zool. zhur.  
33 no.6:1201-1205 M-D '54. (MIRA 8:2)

1. Institut veterinarii Kaz. filiala VASKhNIL i Yerevanskij  
zoo-veterinarnyy institut.  
(Helminthology)

SHUL'TS, R.S.; DAVTYAN, E.A.

Host-parasite specificity. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 8  
no.5:89-92 My '55. (MLRA 9:8)

1. Zoologicheskiy institut AN Arm.SSR.  
(Parasitology)

DAVTYAN, E.A.

Pathogenicity of different species of *Fasciola* and its variability  
depending on the developmental conditions of the parthenogenetic  
stages. Zool. zhur. 35 no.11:1617-1625 D '56. (MLRA 10:1)

1. Yerevanskiy zooveterinarnyy institut.  
(Liver fluke)

DAVTYAN, E. M.  
DAVTYAN, E.A.

Some results of an immediate tasks in studying host-parasite relations.  
Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 10 no.10:89-98 o '57.  
(Helminthology) (MIRA 10:12)

DAVYAN, E.A.; AKOPYAN, V.D.

Changes in the vitamin A balance in sheep during experimental fascioliasis. Izv. AN Arm.SSR. Biol. i sel'khoz.nauki 11 no.8:17-26 Ag '58. (MIRA 11:10)

1. Kafedra parazitologii Yerevanskogo zooveterinarnogo instituta.  
(Liver fluke) (Vitamins-A) (Sheep--Diseases and pests)

DAVTYAN, E.A.

Characteristics of the development of *Fasciola hepatica* and *F. gigantica*. Iss. AN Arm. SSR. Biol. i sel'khoz. nauki 11 no. 11:  
3-11 N '58. (MIRA 11:12)  
(Armenia--Liver fluke) (Parasites--Sheep)

SHUL'TS, R.S.; DAVTYAN, E.A.

Virulence and invasion capacity of helminths. Izv. AN Arm. SSR.  
Biol. nauki 12 no.9:14-17 S '59. (MIRA 12:12)  
(WORMS, INTESTINAL AND PARASITIC)

DAVTYAN, E.A.; AKOPYAN, V.D.

Changes in the vitamin A balance of sheep in experimental fascioliasis.  
Trudy Gel'm. lab. 9:79-81 '59. (MIRA 13:3)  
(PARASITES--SHEEP) (LIVER FLUKE) (VITAMINS--A)

DAVTYAN, E. A.

"Disturbance in Cu, Co, Mn, Mo metabolism in sheeps infected with Fasciola and Echinococcus."

report submitted for 1st Intl Cong, Parasitology, Rome, 21-26 Sep 1964.

Inst of Zoology, Dept Parasitology, Yerevan, Avanskoye Shosse 8.

USSR/Farm Animals - Small Horned Stock

Q

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69345

Author : Zakharyan, G.P., Mikhaylova, Z.F., Davtyan, G.G.

Inst : Armenian Scientific Research Institute of Animal Husbandry and Veterinary Medicine

Title : Digestibility of Feeds Treated with Carbide Slime by Sheep

Orig Pub : Byull. nauchno-tekh. inform. Arm. n.-i. in-ta zhivotnovodstva i veterinarii, 1957, No 1, 17-20

Abstract : The digestibility of rations containing dry straw (first stage) and straw treated with a suspension of carbide slime (second stage) was determined on wethers. The coefficients of digestibility according to stages were: dry matter 63.8 and 73.2%; cellulose 49.3 and 68.3%; extractive substances without nitrogen 68.7 and 75.7%.

Card 1/1

- 42 -

USSR/Farm Animals - Small Horned Stock

Q

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69344

Author : Zakharyan, G.P., Arutyunyan, V.A., Davtyan, G.G.

Inst : Armenian Scientific Research Institute of Animal Husbandry and Veterinary Medicine

Title : Utilization of Tobacco Stems as Feed for Farm Animals

Orig Pub : Tr. Arm. n.-i. in-ta zhivotnovodstva i veterinarii, 1957, 2, 143-152

Abstract : It was established that tobacco stems by their chemical composition are close to basic silage crops and ensile well. Feeding them to pregnant and nursing ewes, 1-1.5 kg per head, daily, had no harmful effect. The content of alkaloids in the silage diminished 2-2.5 times as compared with initial raw material, and the treatment of silage with carbide slime reduces their content 3-7 times.

Card 1/1

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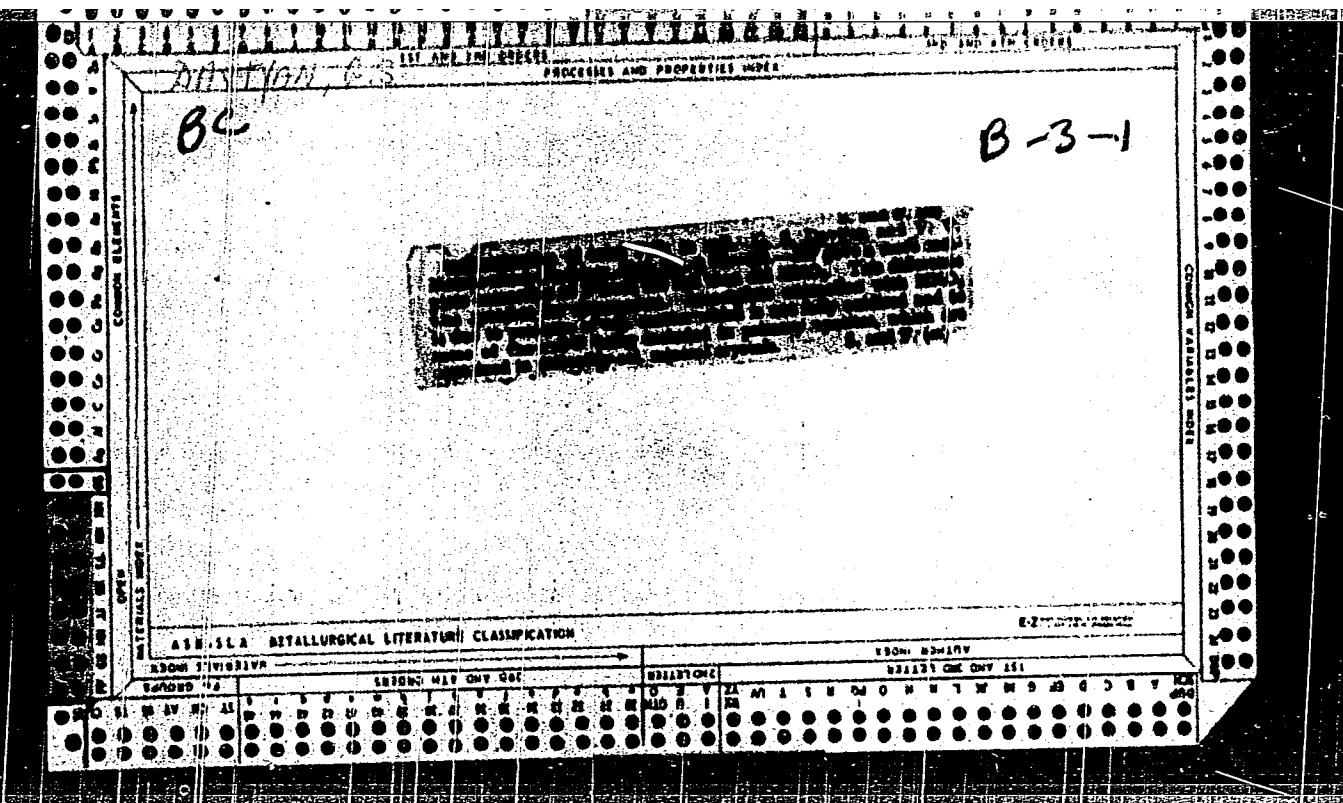
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COMBINE ELEMENTS  
OPEN MATERIALS INDEX

An apparatus for the determination of nitrates in cotton plants. G. Davlyann. Sovet. Khlopot 1939, No. 7, 53-7; Khim. Referat. ZNIT. 1940, No. 1, 84.—The method is based on the color reaction of nitrates with a diphenylamine soln. in  $H_2SO_4$ , accompanied by a blue coloration of the reagents. The detns. are carried out in the field by means of an app., consisting of a small box contg. a set of pipets, a container with the reagent, a porcelain plate with depressions (spatula), a razor and a paper color scale. Place 0.15 cc. of the reagent in one of the depressions in the spatula, cut with the razor under a slant, several stems, a petiole or another young part of the plant. Immerse the freshly cut end of the stem in the reagent, mixing it for 20-3 sec. with the stem, remove it from the reagent and compare the color obtained with the color scale. The color must be compared immediately after removal of the stem from the reagent. W. R. Henn

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

GENERAL INDEX		SUBJECT INDEX		SERIAL NUMBER	
1	2	3	4	5	6
3	4	5	6	7	8
5	6	7	8	9	10
7	8	9	10	11	12
9	10	11	12	13	14
11	12	13	14	15	16
13	14	15	16	17	18
15	16	17	18	19	20
17	18	19	20	21	22
19	20	21	22	23	24
21	22	23	24	25	26
23	24	25	26	27	28
25	26	27	28	29	30
27	28	29	30	31	32
29	30	31	32	33	34
31	32	33	34	35	36
33	34	35	36	37	38
35	36	37	38	39	40
37	38	39	40	41	42
39	40	41	42	43	44
41	42	43	44	45	46
43	44	45	46	47	48
45	46	47	48	49	50
47	48	49	50	51	52
49	50	51	52	53	54
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57	58	59	60	61	62
59	60	61	62	63	64
61	62	63	64	65	66
63	64	65	66	67	68
65	66	67	68	69	70
67	68	69	70	71	72
69	70	71	72	73	74
71	72	73	74	75	76
73	74	75	76	77	78
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77	78	79	80	81	82
79	80	81	82	83	84
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83	84	85	86	87	88
85	86	87	88	89	90
87	88	89	90	91	92
89	90	91	92	93	94
91	92	93	94	95	96
93	94	95	96	97	98
95	96	97	98	99	100
97	98	99	100	101	102
99	100	101	102	103	104
101	102	103	104	105	106
103	104	105	106	107	108
105	106	107	108	109	110
107	108	109	110	111	112
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113	114	115	116	117	118
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121	122	123	124	125	126
123	124	125	126	127	128
125	126	127	128	129	130
127	128	129	130	131	132
129	130	131	132	133	134
131	132	133	134	135	136
133	134	135	136	137	138
135	136	137	138	139	140
137	138	139	140	141	142
139	140	141	142	143	144
141	142	143	144	145	146
143	144	145	146	147	148
145	146	147	148	149	150
147	148	149	150	151	152
149	150	151	152	153	154
151	152	153	154	155	156
153	154	155	156	157	158
155	156	157	158	159	160
157	158	159	160	161	162
159	160	161	162	163	164
161	162	163	164	165	166
163	164	165	166	167	168
165	166	167	168	169	170
167	168	169	170	171	172
169	170	171	172	173	174
171	172	173	174	175	176
173	174	175	176	177	178
175	176	177	178	179	180
177	178	179	180	181	182
179	180	181	182	183	184
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183	184	185	186	187	188
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213	214	215	216	217	218
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217	218	219	220	221	222
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243	244	245	246	247	248
245	246	247	248	249	250
247	248	249	250	251	252
249	250	251	252	253	254
251	252	253	254	255	256
253	254	255	256	257	258
255	256	257	258	259	260
257	258	259	260	261	262
259	260	261	262	263	264
261	262	263	264	265	266
263	264	265	266	267	268
265	266	267	268	269	270
267	268	269	270	271	272
269	270	271	272	273	274
271	272	273	274	275	276
273	274	275	276	277	278
275	276	277	278	279	280
277	278	279	280	281	282
279	280	281	282	283	284
281	282	283	284	285	286
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285	286	287	288	289	290
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289	290	291	292	293	294
291	292	293	294	295	296
293	294	295	296	297	298
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DAVTIAN, G. S.

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Literatura: p. 251-264.

CU DA MH NN DLC: S647.D3

SO: LC, Soviet Geography, Part I, 1951, Uncl.

DAVTYAN, G. S.

USSR/Agriculture  
Soil Science  
Literature

Sep 48

"Soil Fertility" 2 $\frac{1}{4}$  pp

"Pochvoved" No 9

Lists books on soil fertility, among them P. N. Bogdanov's "Root System and Harvest of Vernalized Wheat," and G. S. Davtyan's "Nitrogenous Fertilizers and Their Utilization."

61/49T11

DAVTYAN, G.S.; YUZBASHYAN, I.R.

Variability of branched wheat under the effect of chemical fertilizers.  
Dekl. AN Arm. SSR 11 no. 3:105-110 '49. (MLRA 9:10)

1. Chlen-kerrespondent Akademii nauk Armyanskoy SSR (for Davtyan). 2. Laboratoriya agrokhimii Akademii nauk Armyanskoy SSR, Yerevan.  
(Wheat) (Fertilizers and manures)

DAVTYAN, G.S.; NOVSISYAN,

Successes and prospects for the development of agrochemical science in  
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1. Deystvitel'nyy chlen 'K Arm. SSR.  
(Armenia--Agricultural chemistry)

DAVTYAN, G.S.; BABAYAN, G.B.

Some problems in fertilizing alfalfa on the reclaimed soils of the  
gravelly semi-desert. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 6 no.6:  
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(Armenia--Alfalfa) (Fertilizers and manures)

1. DAVTYAN, G. S.
2. USSR (600)
3. Wheat
4. New method for growing winter wheat on alfalfa which has not been plowed under. Dokl. Akad. sel'khoz. 18 No. 2, 1953.

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GALSTYAN, Alesha Shmavonovich; DAVTYAN, G.S., professor, otvetstvennyy  
redaktor; OVAKIMYAN, A.A., redaktor izdatel'stva; KAPLANYAN, M.A.,  
tekhnicheskiy redaktor

[The distribution of nitrogen and phosphorus in the cotton plant]  
Raspredelenie azota i fosfora v khloepchatnike. Erevan, Izd-vo  
Akademii nauk Armianskoi SSR, 1955. 103 p. (MLRA 9:9)  
(Cotton) (Nitrogen) (Phosphorus)

DAVTYAN, G.S.

Work toward increasing the yield of agricultural crops carried out  
by the Laboratory of Agricultural Chemistry of the Academy of  
Sciences of the Armenian S.S.R. Trudy Inst.pochv.i agrokhim.AM  
Azerb.SSR 7:23-37 '55.  
(Armenia--Fertilizers and manures)  
(Agricultural chemistry)

USSR/Soil Science - Mineral Fertilizers.

J

Abs Jour : Ref Zhur Biol., No 22, 1958, 100060

Author : Davtyan, G.S.

Inst : Academy of Sciences ArmSSR

Title : Problems of Agricultural Chemical Investigations in  
the Armenian SSR

Orig Pub : Izv. AN ArmSSR, biol. i s.-kh. n., 1957, 10, № 10, 5-  
22.

Abstract : The author considers that the utilization of a series of  
field experiments to determine the fundamentals of the  
placement and the application of fertilizers is more ex-  
pensive and is, moreover, a pure empirical method. It  
is necessary to work out the means of a scientific pro-  
gnosis of the fertilizers, so that, on the basis of cor-  
responding agricultural-chemical soil characteristics,

Card 1/3

- 55 -

USSR/Soil Science - Mineral Fertilizers.

J

Abs Jour : Ref Zhur Biol., No 22, 1958, 100060

sugaringness, the vitamin potency of vegetables - will uncover new reserves of the agricultural economy. Very important for the Armenian soils is the problem of the soils' enrichment by organic matter. -- Z.I. Zhurbitskiy

Card 3/3

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DAVTYAN, G.S.

Principles of the agrochemical description of soils [with summary  
in English]. Pochvovedenie no.5:83-87 My '58. (MIRA 11:6)

1. Laboratoriya agrokhimii AN ArmSSR.  
(Soil chemistry)

MOVSIYAN, Yegishe Movsesovich; DAVTYAN, G.S., red.; GOROYAN, G.,  
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DAVTYAN, G.S.

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[Atlas of the Armenian Soviet Socialist Republic] Atlas Armianskoi Sovetskoi Sotsialisticheskoi Respubliki. Erevan, Akad. nauk Armianskoi SSR; glav. upr. geodez. i kartografii MG i ON SSSR, 1961. 111 p.

(MIRA 15:2)

1. Minskaya kartograficheskaya fabrika Glavnogo upravleniya geodezii i kartografii Ministerstva geologii i okhrany nedor SSSR (for Urusov).
2. Akademiya nauk Armyanskoy SSR (for Arutyunyan). 3. Chlen-korrespondent AN Armyanskoy SSR (for Yeremyan).

(Armenia--Maps)

DAVTYAN, G.S.

Relation between the genetic type of soil and its agrochemical properties. Pochvovedenie no.7:1-9 Jl '63. (MIRA 16:8)

1. Laboratoriya agrokhimii AN Armyanskoy SSR.  
(Soil fertility) (Fertilizers and manures)

DAVTYAN, G.S.; MINASYAN, A.K.; BABAKHANYAN, M.A.

Utilization of the bactericidal action of erythemal lamps for  
sterilizing nutritional solutions in hydroponics. Izv. AN Arm.  
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1. Laboratoriya agrokhimii AN Armyanskoy SSR.

DAVTYAN, G.S., prof.

Results of the First All-Union Conference on Soilless Plant Culture  
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16 no.11:89-94 N '63.  
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DAVTYAN, G.S., akademik

Prospects of hydroponics. Vest. AN SSSR 33 no.5:61-64 My '63.  
(MIRA 16:6)

1. AN Armyanskoy SSR.  
(Plants--Soilless culture)

DAVTYAN, G.S.

Some problems of the chemicalization of agriculture in Armenia.  
Izv. AN Arm. SSR. Biol. nauki 17 no.2:3-9 F '64. (MIRA 17:8)

1. Laboratoriya agrokhimii AN Armyanskoy SSR.

L 58705-5		EWD(j)/EWP(e)/EWT(n)/EZF(c)/EPR/T/EWP(t)/EWP(w)/EWP(z)/EWP(b)/EWA(a) PY-1/Pm-1/Ps-1 LIP(c) JD/JG				
ACCESSION	NR:	AP5016590	UR/0363/65/001/005/0743/0750 541.123.35:542.65	42		
AUTHOR:	Davtyan, I. A.; Glushkova, V. B.; Keler, E. K.		21	21	10	
TITLE:	A study of the system neodymium trioxide - zirconium dioxide: regions rich in zirconium dioxide				13	
SOURCE:	AN SSSR. Zvestiya. Neorganicheskiye materialy, v. 1, no. 5, 1965, 743-750					
TOPIC-TAGS:	neodymium oxide, zirconium oxide, mixed oxide structure, phase diagram					
<p><b>ABSTRACT:</b> Pressed powder mixtures of <math>ZrO_2</math> and <math>Nd_2O_3</math> containing various proportions of the two components were fired at 600-1700°C for various periods of time; some mixtures were prepared by decomposing mixed nitrates or by coprecipitating the hydroxides. In the latter two cases the reaction was considerably faster, and its course was sometimes different. X-ray analysis revealed that additions of <math>Nd_2O_3</math> lower the temperature of the monoclinic - tetragonal polymorphic transformation of <math>ZrO_2</math>. The unit cell parameters of <math>ZrO_2</math> and its solid solutions were calculated for various temperatures. The stability of <math>ZrO_2</math> - <math>Nd_2O_3</math> solid solutions was studied, and x-ray diffraction patterns of these solutions annealed from 1600°C were taken. The changes in the volume of the unit cell and</p> <p>Cord 1/2</p>						

L 58705-65					
ACCESSION NR: AP5016590 <span style="float: right;">2</span>					
<p>in constant of solid solutions of the fluorite and pyrochlore type in the ZrO<sub>2</sub>-Nd<sub>2</sub>O<sub>3</sub> system were plotted against the Nd<sub>2</sub>O<sub>3</sub> content. It was shown that cubic solid solutions containing less than 20% Nd<sub>2</sub>O<sub>3</sub> decompose into a mixture of two solid solutions at temperatures below 600°C, one tetragonal (or monoclinic), the other cubic (pyrochlore type). The boundaries of the biphasic region were also determined. In conclusion, the authors express their thanks to Yu. G. Sokolov for assistance in the x-ray analyses." Orig. art. has: 5 figures, 4 tables and 2 formulas.</p>					
ASSOCIATION: Institut khimii silitatov im. I. V. Gribenshchikova Akademii nauk SSSR (Institute of Silicate Chemistry, Academy of Sciences, SSSR)					
SUBMITTED: 16Jan65		ENCL: 00	SUB CODE: IC, SS		
NO REF	SOV: 000	OTHER: 005			
Cord AM 2/2					

DAVTYAN, I.A., GLUSHKOVA, V.B., KELER, E.K.

Study of the system  $\text{Nd}_2\text{O}_3 - \text{ZrO}_2$ . Regions rich in zirconium dioxide.  
Izv. AN SSSR. Neorg. mat. 1 no.5:743-750 My '65. (MIRA 18:10)

1. Institut khimii silikatov imeni Grebenshchikova AN SSSR.

I 11003-66 ENT(m)/EWP(t)/EWP(b) IJP(c) ID  
ACC NR: AP5028727

SOURCE CODE: UR/0363/65/001/011/1955/1964

AUTHOR: Glushkova, V. B.; Davtyan, I. A.; Keler, E. K.

ORG: Institute of Silicate Chemistry im. I. V. Gribenshchikov, Academy of Sciences  
SSSR (Institut khimii silikatov Akademii nauk SSSR)

TITLE: The Nd<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> system. Study of regions rich in neodymium oxide ✓

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 11, 1965,  
1955-1964

TOPIC TAGS: neodymium compound, zirconium compound, solid solution, metal phase system, metal chemical analysis, x-ray analysis, phase transition, phase diagram, chemical stability, phase composition, crystal structure, inorganic oxide

ABSTRACT: Chemical and x-ray phase analyses were used to study the Nd<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> system and a diagram of phase transitions was plotted for a region rich in Nd<sub>2</sub>O<sub>3</sub>. The stability of the cubic solid solution based on Nd<sub>2</sub>O<sub>3</sub> was determined and the solution was shown to be stable only above 1500°C. It was found that the primary phase consists of cubic solid solutions when the mixtures are prepared by coprecipitating in the amorphous state followed by crystallization at 400-800°C or by decomposing a mixture of nitrates. As the composition of these metastable solid solutions changes monotonically, there is continuous change in their crystal structure from the Mn<sub>2</sub>O<sub>3</sub>-type--characteristic of the low-temperature C-form of Nd<sub>2</sub>O<sub>3</sub> via the pyrochlore type--to the fluorite type in which the low-temperature form of ZrO<sub>2</sub> crystallizes. The

UDC: 546.657 + 546.831

Card 1/2

L 11003-66

ACC NR: AP5D28727

effect of the addition of ZrO<sub>2</sub> on the C-A transition of Nd<sub>2</sub>O<sub>3</sub> was studied and it was shown that small amounts of ZrO<sub>2</sub> hinder the transition of the cubic solid solution (C-form) to the hexagonal (A). Where there is a high ZrO<sub>2</sub> content (10-20%) in the cubic solid solution, the intermediate product formed is a solid solution which crystallizes in a low symmetry (B-type). On heating to 1350-1400°C, the latter converts into an equilibrium mixture of solid solutions with hexagonal and pyrochlore structure. Orig. art. has: 5 figures, 3 tables.

SUB CODE: 07/ SUBM DATE: 24Apr65/ ORIG REF: 005/ OTH REF: 012

PC  
Card 2/2

L 11028-66	EWT(m)/EWP(t)/EWP(b)	IJP(c)	JD/JG
ACC NR: AP5028728	SOURCE CODE: UR/0363/65/001/011/1965/1977		
AUTHOR: Sazonova, L. V.; Davtyan, I. A.; Glushkova, V. B.	55	55	58 B
ORG: Institute of Silicate Chemistry im. I. V. Grebenshchikov, Academy of Sciences SSSR (Institut khimii silikatov Akademii nauk SSSR)	55		
TITLE: Study of the Nd <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> system and effect of the method of preparation on the properties of the product obtained			
SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 11, 1965, 1965-1977			
TOPIC TAGS: neodymium compound, zirconium compound, powder metal sintering, powder metal mixing, phase equilibrium, chemical composition, metal analysis, crystal			
ABSTRACT: Thermal, x-ray phase, molecular-spectroscopic and chemical methods of analysis were used to study the products obtained from sintering pressed powder mix- tures of ZrO <sub>2</sub> and Nd <sub>2</sub> O <sub>3</sub> (in the ratios 90%:10%, 66.7%:33.3%, and 10%:90%). The mix- tures were prepared by combining solutions of the salts and evaporating, coprecipi- tating in the amorphous state, mechanical mixing of the hydroxides and mechanical mixing of the oxides. Thermograms of the mixtures, curves of thermal decomposition, infrared spectra, and x-ray diffraction patterns of the products are given. The me- chanism of formation of equilibrium phases is interpreted. It is shown that the com- position and crystal structure of the products formed are appreciably affected by the method of preparation of the initial mixture. Orig. art. has: 7 figures, 3 tables.			
SUB CODE: 07,11/	SUBM DATE: 24Apr65/	ORIG REF: 005/	OTH REF: 006
UDC: 546.657 + 546.831			
Card 1/1			

GLUSHKOVA, V.B.; DAVTYAN, I.A.; KELER, E.K.

Study of the system Nd<sub>2</sub>O<sub>3</sub> - ZrO<sub>2</sub>. Regions rich in neodymium oxide. Izv. AN SSSR. Neorg. mat. 1 no.11:1955-1964 N '65.  
(MIRA 18:12)

1. Institut khimii silikatov imeni I.V. Grebenshchikova AN  
SSSR. Submitted April 24, 1965.

SAZONOVA, L.V.; DAVTYAN, I.A.; GLUSHKOVA, V.B.

Study of the system  $\text{Nd}_2\text{O}_3 - \text{ZrO}_2$  and the effect of the method  
of preparation on the properties of the product obtained.  
Izv. AN SSSR. Neorg. mat. 1 no.11:1965-1977 N '65.

(MIRA 18:12)

1. Institut khimii silikatov imeni I.V. Grebenschchikova AN  
SSSR. Submitted April 24, 1965.

L 30250-56	EWT(m)/T/EWP(w)/EWP(t)/ETI	IJP(c)	WW/JD/JG
ACC NR:	AP6015073	(A)	SOURCE CODE: UR/0363/66/002/005/0890/0895
AUTHOR: <u>Davtyan, I. A.</u> ; <u>Glushkova, V. B.</u> ; <u>Keler, E. K.</u>			
ORG: <u>Institute of Silicate Chemistry im. I. V. Gribenshchikov, Academy of Sciences</u> <u>SSSR (Institut khimii silikatov Akademii nauk SSSR)</u>			
TITLE: Effect of <u>euro<sup>n</sup>pium oxide</u> admixtures on the polymorphism of <u>zirconium dioxide</u>			
SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 5, 1966, 890-895			
TOPIC TAGS: euro <sup>n</sup> pium compound, zirconium compound, solid solution, phase transition, crystallization, thermal analysis, x ray analysis			
ABSTRACT: The ZrO <sub>2</sub> -Eu <sub>2</sub> O <sub>3</sub> system was studied by using thermal and x-ray analysis. Addition of Eu <sub>2</sub> O <sub>3</sub> was found to lower the temperature of the monoclinic-tetragonal transition of ZrO <sub>2</sub> considerably. Crystallization of mixtures of Eu <sub>2</sub> O <sub>3</sub> and ZrO <sub>2</sub> , coprecipitated in the amorphous state, forms metastable cubic solid solutions of euro <sup>n</sup> pium oxide and zirconium dioxide. The crystallization temperature and lattice parameter of the cubic solid solution increase with rising Eu <sub>2</sub> O <sub>3</sub> content. The decomposition of the metastable solid solution into stable phases was investigated. It was found that the minimum addition of euro <sup>n</sup> pium oxide required for the complete stabilization of ZrO <sub>2</sub> is 7 mol % Eu <sub>2</sub> O <sub>3</sub> . It was shown that the addition of only 2% Eu <sub>2</sub> O <sub>3</sub> eliminates the cracking of ZrO <sub>2</sub> during heating. A phase diagram was plotted for the phase transitions in the ZrO <sub>2</sub> -Eu <sub>2</sub> O <sub>3</sub> system for the region rich in zirconium dioxide (see fig. 1). Orig. art. has: 5 figures, 3 tables.			
UDC: 546.831.4+546.661			
Card 1/2			

L 30250-66

ACC NR: AP6015073

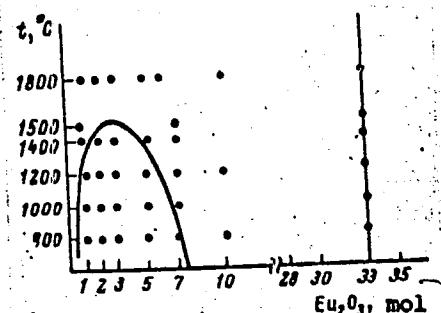


Fig. 1. Diagram of phase transitions in ZrO<sub>2</sub>-Eu<sub>2</sub>O<sub>3</sub> system for region rich in ZrO<sub>2</sub>.

SUB CODE: 20,07 / SUBM DATE: 30Jul65 / ORIG REF: 002

Card 2/2 CC

ACC NR: AP6036791

(A)

SOURCE CODE: UR/0363/66/002/011/1998/2002

AUTHOR: Davtyan, I. A.; Keler, E. K.; Glushkova, V. B.

ORG: Institute of Silicate Chemistry im. I. V. Gribenshchikov, AN SSSR (Institut khimii silikatov AN SSSR)

TITLE: Effect of additions of germanium dioxide and yttrium and neodymium germanates on the polymorphism of zirconium dioxide

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 11, 1966, 1998-2002

TOPIC TAGS: zirconium compound, germanium compound, yttrium compound, neodymium compound, phase transition

ABSTRACT: The article considers the following questions: 1) the formation of solid solutions based on ZrO<sub>2</sub> with additions of GeO<sub>2</sub>; 2) the stability of these solid solutions and the volatility of GeO<sub>2</sub> from them; and, 3) the effect of the amount of the additions of germanium dioxide in a solid solution at the temperature of the monoclinic-tetragonal transition of ZrO<sub>2</sub>, and the possibility of the tetragonal form of ZrO<sub>2</sub>. Solid solutions of zirconium with additions of 2, 5, 10, 15, and 20 mole % GeO<sub>2</sub> were prepared by the method of coprecipitation. In all the mixtures there was observed an exothermic effect of crystallization, and at the same time the crystallization

Card 1/2

UDC: 546.831.4+541.7

ACC NR: AP6036791

temperature of the product increased with an increase in the amount of additive. X ray analysis of the products indicated that additions of  $\text{GeO}_2$  stabilize the tetragonal form of  $\text{ZrO}_2$  only up to a temperature of  $1200^\circ\text{C}$ . Therefore, further experiments were undertaken with additions of  $\text{GeO}_2$  plus oxides of rare earth elements (since oxides of the rare earth elements stabilize  $\text{ZrO}_2$  at high temperatures). Ternary mixtures of the following composition were prepared (wt.%):

$\text{ZrO}_2$	96	90	96	90	96,7	91,7
$\text{GeO}_2$	2	5	2	5	2	5
$\text{Y}_2\text{O}_3$	2	5	-	-	-	-
$\text{Nd}_2\text{O}_3$	-	-	2	5	1,3	3,3

It was found that stabilization of zirconium dioxide with yttrium germanates makes it possible to increase the stability of the solid solutions at high temperatures. Orig. art. has: 5 figures.

SUB CODE:07,20/ SUBM DATE: 07Jan66/ OTH REF: 001

Card 2/2

DAVTYAN, K.

Using clay gypsum in the production of large-panel partitions formed on the Kozlov mill. Prom. Arm. 6 no.12:28-31 D '63. (MIRA 17:2)

1. Armyanskiy nauchno-issledovatel'skiy institut stroitel'nykh materialov i sooruzheniy.

DAVTYAN, L.D., Cand Vet Sci -- (diss) "Zoohygienic characteristics  
of pond water of Kotayskiy Rayon of Armenian SSR." Yerevan, 1959,  
25 pp (Min of Agr USSR. Yerevan Zoological Vet Inst) 120 copies  
(KL, 35-59, 115)

- 52 -

DAVTYAN, L.D.

Bacteriological investigation of pond waters in Kotayk'skiy District. Izv.AN Arm.SSR.Biol.nauki 12 no.2:65-72 F '59.  
(MIRA 12:9)

1. Kafedra zoogigieny Yerevanskogo zooveterinarnogo instituta.  
(KOTAYK'SKIY DISTRICT--FARM PONDS)  
(WATER--BACTERIOLOGY)

KAMALYAN, G.V.; GASPARIAN M.G.; DAVTYAN, L.V.

Effect of some biogenetic amines and their derivatives on the processes of phosphorylation and oxidative phosphorylation in the organism. Dokl. AN Arm. SSR 27 no.2:87-92 '58. (MIRA 11:10)

1. Yerevanskiy zootekhnicheskoe-veterinarnyy institut. Predstavlenie  
G. Kh. Bunyatyanom.  
(Phosphorylation) (Ethanol)

KAMALYAN, G.V.; DAVTYAN, L.V.

Effect of colamine and its derivatives on germination and associated enzymatic processes in seeds of agricultural plants.  
Izv.AN Arm.SSR.Biol.nauki 12 no.7:39-44 J1 '59.

(MIRA 12:10)

1. Kafedra biokhimii Yerevanskogo zooveterinarnogo instituta.  
(PLANTS, EFFECT OF ETHANOL ON) (GERMINATION)

DAVTYAN, L. V., Cand Bio Sci -- "Effect of mono-, di-, and triethanolamine <sup>upon</sup> <sup>A</sup> the growth of seeds of a number of agricultural <sup>cultures</sup> <sup>and</sup> certain biochemical changes thereat."  
Yerevan, 1961. (Acad Sci ArSSR. <sup>Dpt</sup> <sup>41</sup> of Bio Sciences) (KL,  
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Effect of some amino alcohols on some features of phosphorus metabolism during the seed germination of field crops.  
Dokl. AN Arm. SSR 37 no.2:83-87 '63. (MIRA 17:2)

1. Yerevanskiy zootekhnicheskoy-veterinarnyy institut.  
Predstavleno akademikom AN Armyanskoy SSR G.Kh. Bunyatyanom.

DAVTYAN, M.A.

Some processes of amino acid metabolism in the heart muscle.  
Biokhimiia 27 no. 3:542-548 My-Je '62. (MIRA 15:8)

1. Laboratory of Pathology of Protein Metabolism and Immuno-  
chemistry, Institute of Biological and Medical Chemistry,  
Academy of Medical Sciences of the U.S.S.R., Moscow.  
(AMINO ACID METABOLISM) (HEART—MUSCLE)

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Urea synthesis in brain sections and homogenates. Vop. biokhim.  
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1. Institut biokhimii AN ArmSSR.  
(MIRA 1819)

DAVTYAN, M. M.

U.S.S.R.

L. Chemical composition and properties of milk from Lori breed of cattle. - V. N. Kyurkchyan and M. M. Davtyan.  
Trudy Inst. Zhitotvorecheskoj Ministerstva Selskogo Khoz. i  
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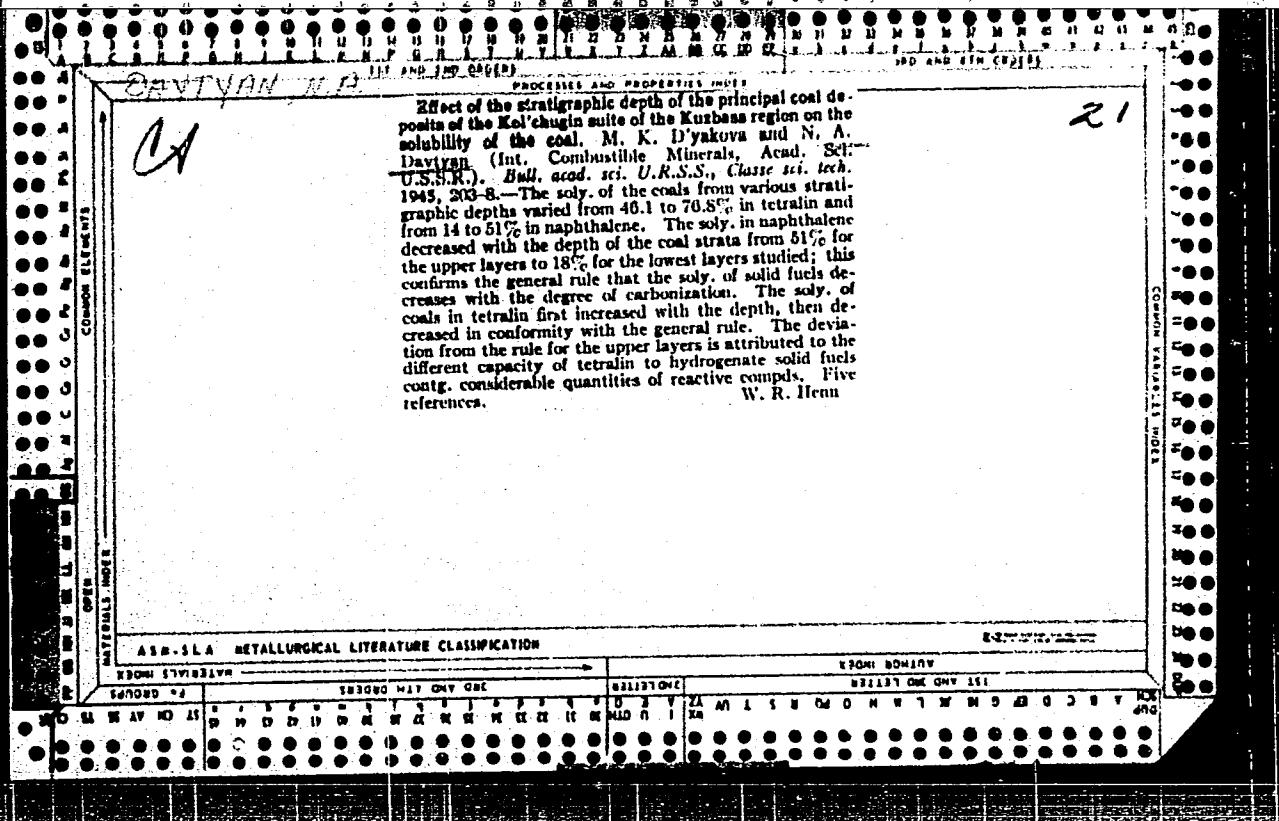
Effect of spot placement of mineral fertilizers with various  
numbers of fruit buds left on the grapevine. Izv. AM Arm. SSR. Biol. i  
sel'khoz. nauki. 5. no.2:49-60 '52. (MLRA 9:8)

1. Institut vinodeliya i vinogradarstva ministerstva pishchevoy  
promyshlennosti Arm. SSR.  
(ARMENIA--VITICULTURE) (FERTILIZERS AND MANURES)

ZALINYAN, M.G.; DAVTYAN, M.T.

Synthesis of unsaturated  $\delta$ -lactones. Preparation of  
3-butyl-6-methyl-3,4-dihydr- $\alpha$ -pyrone. Izv. AN Arm.SSR. Khim.nauki  
18 no.1:121-123 '65. (MIRA 18:5)

I. Yerevanskiy gosudars tvennyy universitet, kafedra organicheskoy  
khimi.i.



DAVYAN, N.H.  
CA

21

**Thermal solution of solid fuels. IV. The role of the chemical nature of the solvents.** M. K. D'yukova and N. A. Davyan (Hydrogenation Lab., Inst. Fossil Fuels, Acad. Sci. U.S.S.R.), *Zhur. Prilad. Khim.* (J. Applied Chem.) 21, 113-25 (1948); cf. C.A. 38, 9043. — Into a 0.25-l. capacity autoclave provided with a stirrer (200 r.p.m.) and heated electrically was charged 25 g. coal sample and 75 g. of solvent. The time of heating was the same in all expts., i.e. 90 min. for humus (I) and 30 min. for sapropelite coal (II), the temp. being kept within 2°. The product was vacuum-filtered while hot and the solid part extd. with benzene for 4 to 5 days. The solid residue was dried and its ash content detd. The solv. of the coal in a given solvent was calc'd. by the formula  $x = (1 - a(100 - b)/(100 - ab))$  where  $a$  = ash content (%) of original coal,  $b$  = ash content (%) of residue,  $x$  = degree of soln. of coal (%). The av. solv. in % measured at 400°, 90 min., ratio of coal to solvent 1/6, in the case of I was: in  $C_6H_6$  15.7;  $\alpha$ - $C_{12}H_{10}Me$  37.0; naphthalene 8.8; fluorene 17.0; diphenyl 13.8; tetrahydronaphthalene 81.3; decahydronaphthalene 27.7; terk. paraffin 8.0; ceresin 8.2; palmitic acid 43.0;  $PhOH$  0.3;  $p$ -xylene 18.8; 1,3,4-xylene 85.0;  $\beta$ - $C_{12}H_9OH$  13.8; thymol 29.7;  $PhNH_2$  31.0;  $PhNMe_2$  82.1;  $\alpha$ - $C_{12}H_9NH_2$  71.2;  $H_3N^+$  40.3;  $AcNH_2$  80.8; quinoline 20.1; the mixts. (80/60%)  $PhOH/C_6H_6$  25.4;  $PhOH/paraffin$  12.5; xylene/ $C_{12}H_6$  31.3;  $PhNMe_2/paraffin$  31.8, and 10/90%  $PhNMe_2/paraffin$  15.7. For II at 300°,

30 min., 9% ratio the data are:  $C_6H_6$  30.4; tetrahydronaphthalene 24.3; decahydronaphthalene 13.8; paraffin 10.0;  $PhOH$  44.7;  $p$ -xylene 30.6; 1,3,4-xylene 40.4;  $PhNH_2$  48.8; and  $PhNMe_2$  02.3. The solv. of I depends greatly on the chem. nature of the solvent, its effect decreasing for the various types of compds. in the order: amines, phenols, cyclic and aliphatic hydrocarbons. For II this dependency is much smaller but of the same kind. Above 400° the solv. of II is about the same (90%) for any solvent. Polar solvents are most effective except when they react with the org. matter in coal to give insol. products. Addn. of traces of highly effective solvents to ineffective ones increases the solv. of I, but not enough to be of practical interest. K. L.

DAVTYAN, N. A.

DAVTYAN, N. A. - "Investigation of the Chemical Composition of Gasoline From a Thermal Solution of Estonian Shale." Sub 25 Nog 52, Inst of Mineral Fuels, Acad Sci USSR. (Dissertation for the Degree of Candidate in Chemical Sciences).

SO: Vechernaya Moskva January-December 1952

Div. V

USSR

Chemical composition of samples from "thermal solvent extraction" of Kaiman shales. N. K. D'yakova and N. A. Dubyan. Izdat. Akad. Nauk S.S.R., Odd. Tekhn. Nauk 1953, No. 9, 121-41.  
The solvent used in the thermal solvent extrn. of the shale was a 20-32% fraction of the shale distn. frac. with 88.2% dist. below 300° and 11.8% at 300-325°. The shale was extrn. by heating to 450° in an autoclave for 30 min. The hand-picked samples of the shale contained org. material 50.62 and mineral 39.38% (with 10.13% CO<sub>2</sub>). The compn. of the org. material was C 73.63, H 9.59, and O 4.41 + S 10.72%. The crude gasoline contained phenols 4.4 and benzene 0.21%. The neutral fraction was composed of C 85.41, H 13.63, and N 0.34% and contained unstd. hydrocarbons, including S<sub>1</sub> compns. 15; aromatic hydrocarbons 7; C<sub>4</sub> naphthalenes 9; C<sub>4</sub> naphthalenes 15; paraffins 30; and isoparaffins 2%. Thirty-seven hydrocarbons were identified. W. M. Sternberg.

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Composition of phenols, the products of thermal destruction of peat. Zhur. prikl. khim. 31 no.8:1259-1265 Ag '58. (MIRA 11:10)

1. Institut goryuchikh iskopayemykh AN SSSR.  
(Peat) (Phenol)

DAVTYAN, N. A.

ИССЛЕДОВАНИЕ СТРУКТУРЫ  
ВЫСОКОКИПЯЩИХ ФЕНОЛОВ  
СРЕДНЕТЕМПЕРАТУРНОЙ СМОЛЫ ЧЕРЕМХОВЫХ  
УЛЕС И ЕЕ ЖИДКОФАЗНОГО ГИДРОГЕНИЗАТА  
И ГИДРОГЕНАЦИОННАЯ ПЕРЕРАБОТКА ИХ  
НА ЦЕННЫЕ НИЗМИКИ ФЕНОЛЫ

Н. К. ДАВТЯН, А. В. БЕЗУ-ЗИЧЕВА,  
Н. А. Давтян, Н. К. Морозова

VIII Mendeleyev Congress for General and Applied Chemistry in  
Section of Chemistry and Chemical Technology of Fuels,  
publ. by Acad. Sci. USSR, Moscow 1979

Abstracts of reports scheduled to be presented at above mentioned congress,  
Moscow, 15 March 1979.

DAVTYAN, N.A.; D'YAKOVA, M.K.

Investigating the structure of higher phenols in the tar hydrogenate of Cheremkhovo coals. Trudy IGI 9:26-36 '59.  
(MIRA 13:1)

(Phenols) (Coal tar)

D'YAKOVA, M.K.; DAVTYAN, H.A.

Phenols from the thermal processing of solid fuels. Plast.  
massy no.3:55-57 '60. (MIRA 13:6)  
(Phenols) (Fuel)

BURTSEV, P. N.; DAVTYAN, H.A.

Experimental investigation of compass-type flow direction  
indicators. Trudy GGI no.84:36-45 '60. (MIRA 13:11)  
(Hydraulic engineering--Instruments)